

Title (en)

QUANTIZATION MATRIX AND DEBLOCKING FILTER ADJUSTMENTS FOR VIDEO CODING

Title (de)

QUANTISIERUNGSMATRIX- UND DEBLOCKIERUNGSFILTEREINSTELLUNG ZUR VIDEOCODIERUNG

Title (fr)

MATRICE DE QUANTIFICATION ET RÉGLAGES DE FILTRES DE DÉBLOCAGE POUR UN CODAGE VIDÉO

Publication

EP 2834976 A1 20150211 (EN)

Application

EP 13711544 A 20130312

Priority

- US 201261619820 P 20120403
- US 201261637542 P 20120424
- US 201313793942 A 20130311
- US 2013030466 W 20130312

Abstract (en)

[origin: US2013259120A1] A device may include a video coder configured to determine an equivalent quantization parameter (QP) for a decoded block of video data using a quantization matrix for the decoded block of video data, determine deblocking parameters based on the determined equivalent QP, and deblock an edge of the decoded block based on the determined deblocking parameters. In particular, the video coder may determine equivalent QPs for two neighboring blocks defining a common edge, and deblock the common edge based on the equivalent QPs. The video coder may determine deblocking parameters, such as beta and tc values, based on the equivalent QPs. The video coder may then deblock the common edge based on the deblocking parameters, e.g., determine whether to deblock the common edge, determine whether to apply a strong or a weak filter to the common edge, and determine a width (in number of pixels) for a weak filter.

IPC 1-7

H04N 7/26

CPC (source: EP US)

H04N 19/117 (2014.11 - EP US); **H04N 19/126** (2014.11 - EP US); **H04N 19/157** (2014.11 - EP US); **H04N 19/176** (2014.11 - EP US); **H04N 19/86** (2014.11 - EP US)

Citation (search report)

See references of WO 2013151684A1

Citation (examination)

US 2007217508 A1 20070920 - SHIMADA SATOSHI [JP], et al

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

US 2013259120 A1 20131003; US 9756327 B2 20170905; CN 104303501 A 20150121; CN 104303501 B 20171205; EP 2834976 A1 20150211; IN 1927MUN2014 A 20150710; WO 2013151684 A1 20131010

DOCDB simple family (application)

US 201313793942 A 20130311; CN 201380017321 A 20130312; EP 13711544 A 20130312; IN 1927MUN2014 A 20140926; US 2013030466 W 20130312